

KIRICHINSKIY, A.P., professor (Kiyev)

Course of the development of Soviet physical therapy. Vrach.delo  
no.6:631-634 Je '57. (MLRA 10:8)

1. Glavnyy fizioterapevt Ministerstva zdavookhraneniya USSR  
(PHYSICAL THERAPY)

OLUKHEN'KIY, Timofey Titovich, professor; MARKOV, Ivan Ivanovich, dotsent;  
VIZIR, Dmitriy Ivanovich, kandidat meditsinskikh nauk; KIRICHINSKIY,  
A.P., redaktor; GITSHEYN, A.D., tekhnicheskiy redaktor

[The Trushavets health resort and its facilities] Kurort Trushkavets  
i ego lechebnye faktory. Kiev, Gos. med. izd-vo USSR, 1956. 98 p.  
(TRUSKAVETS--DESCRIPTION) (MLRA 9:12)

SOVETOV, Vasilii Nikolayevich,; KIRICHINSKIY, A.R., red.; GITSHEYN, A.D.,  
tekhn. red.

[How to utilize air, sun, sea, and mud baths] Kak pol'zovat'sia  
vozdushnymi i solnechnymi vannami, morakimi i limannymi kupen'iami;  
sovety vracha. Moskva, Gos. med. izd-vo USSR, 1957. 44 p.

(MIRA 11:11)

(Baths)

KIRICHINSKIY, A.R., prof. (Kiyev)

Achievements in physical therapy in the Ukraine. Vrach.delo no.  
1:17-23 Ja '58. (MIRA 11:3)

1. Glavnyy fizioterapevt Ministerstva zdavookhraneniya USSR.  
(UKRAINE--PHYSICAL THERAPY)

GORBENKO, Fedor Polikarpovich; PIL'KEVICH, Stanislava Yulianovna;  
KIRICHINSKIY, A.R., red.; LOKHMATYY, Ye.G., tekhnred.

[Morshin Health Resort] Kurort Morshin. Izd.2., dop. 1  
ispr. Kiev, Gos.med.izd-vo USSR, 1959. 63 p. (MIRA 13:7)  
(MORSHIN--HEALTH RESORTS, WATERING PLACES, ETC.)

KIRICHINSKIY, Aleksey Romanovich

[Reflex physical therapy; introduction to the study of physical therapy] Reflektornaya fizioterapiya; vvedenie v izuchenie fizioterapii. Kiev, Gosmedizdat USSR, 1959. 269 p.

(PHYSICAL THERAPY)

(MIRA 13:9)

KANEVSKIY, G.L., prof.; KIRICHINSKIY, A.R., prof.; OSIPOV, B.L., prof.  
MALKOVA-RYABOVA, B.L., dotsent

S.M. Svidler; on his seventieth birthday. Vop. kur. fizioter. i  
lech. fiz. kul't. 25 no. 5:468 8-0 '60. (MIRA 13:10)  
(SVIDLER, SAMUIL MIKHAILOVICH, 1889-)

SOVETOV, Vasil'y Nikolayevich; KIRICHINSKIY, A.R., red.; BYKOV, N.M.,  
tekhn. red.

[Physiotherapy without apparatus] Neapparatnaia fizioterapiia;  
posobie dlia prakticheskikh vrachei. Kiev, Gosmedizdat  
USSR, 1961. 272 p. (MIRA 16:1)  
(PHYSICAL THERAPY)



KIRICHINSKIY, A.R., prof.

"Exercise therapy in paralysis and paresis of organic origin" by  
M.M. Anikin, A.S. Inozemtseva, G.R. Tkacheva. Reviewed by A.R. Kirichinskii.  
Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 1:81 '62.

(MIRA 15:5)

(EXERCISE THERAPY)	(PARALYSIS)
(ANIKIN, M.M.)	(INOZEMTSEVA, A.S.) (TKACHEVA, G.R.)

AKULOVA, R.F., prof.; ANTELAVA, N.V., prof.; AR'YEV, T.Ya., prof.;  
 BAIROV, G.A., prof.; VELIKOMETSKIY, A.M., prof.; GABAY,  
 A.V., prof. [deceased]; GILORYBOV, G.Ye., prof.;  
 DOBROVOL'SKIY, V.K., prof.; DOLINA, O.A., kand. med. nauk;  
 ZATSEPIN, T.S., prof.; KIRICHINSKIY, A.R., prof.; KOZLOVA,  
 A.V., prof.; KOTOV, A.P., prof.; KRAKOVSKIY, N.I., prof.;  
 KUZIN, M.I., prof.; L'VOV, A.N., prof. [deceased];  
 MITYUNIN, N.K., kand. med. nauk; MIVAGELIDZE, Sh.I., prof.,  
 [deceased]; NOVACHENKO, N.P., prof., zasl. deyatel' nauki  
 USSR; OSIPOV, B.K., prof.; PIKIN, K.I., prof.; POSTNIKOV,  
 B.N., prof.; RAKOV, A.I., prof.; STRUCHKOV, V.I., zasl.  
 deyatel' nauki RSFSR, prof.; FAYERMAN, I.L., prof.  
 [deceased]; FILATOV, A.N., prof.; SIMELEV, I.V., prof.  
 [deceased]; PETROVSKIY, B.V., zasl. deyatel' nauki RSFSR,  
 prof., otv. red.

[Multivolume manual on surgery] Mnogotomnoe rukovodstvo po  
 khirurgii. Moskva, Meditsina. Vol.2. 1964. 771 p.  
 (MIRA 18:1)

1. Deystvitel'nyy chlen AMN SSSR (for Antelava, Petrovskiy).
2. Chlen-korrespondent AMN SSSR (for Bairov, Novachenko,  
 Struchkov, Filatov).

KIRICHINSKIY, B. R.

34234. Kirchinskiy, B. R. Sluchay Oshibochnogo zarlyucheniya Na Osnovani  
Damu/kh Rentgenovskogo issledovaniya. Kriminalistika i Nauch.-Sudeb.  
Ekspertiza. SB. Z. Kiyev, 1949, C. 293-95.

SO: Knizhnaya Letopis' No. 6, 1955

KIRICHINSKIY, B. R.

PA 153T1

USSR/Chemistry - Electron Photography

Nov 49

"Use of Photoelectronography for Determining the Bonds Between Albuminous Substances and Ions of Heavy Metals," B. R. Kirichinskiy, B. A. Roytrub, Kiev Roentgeno-Radio-Oncol Inst, 2 1/4 pp

"Zavod Lab" No 11

In this method, photographic image is formed by action of electrons, liberated from atoms of the substance by X-ray quanta, on photosensitive layer of photoelectrons. Claims method is 5-10 times as sensitive as microroentgenography. Includes two diagrams and photograph.

153T1

SOV/112-59-1-1151

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 1, p 153 (USSR)

AUTHOR: Kirichinskiy, B. R., and Roytrub, B. A.

TITLE: Densitometer for Measuring Electrophoregrams

PERIODICAL: Labor. delo, 1957,<sup>3</sup>Nr 5, pp 51-53

ABSTRACT: A circuit is described for photometering electrophoregrams in a reflected light by means of a selenium phototube used instead of a stibium-cesium one. This eliminates an amplifier. The photoelectric current can be directly measured by a galvanometer with a sensitivity of  $10^{-7}$  -  $10^{-8}$  amp/mm and an internal resistance of about 100-500 ohms.

L.A.O.

*Respublikanskogo psikhonevrologicheskogo gosпиталя  
invalidov Otechestvennoy voyny*

Card 1/1

KIRICHINSKIY, B.R.; ROYTRUB, B.A.; BOGATYREV, M.G.

Infrared luminescence of dyes adsorbed with proteins on paper. Lab.  
delo 5 no.5:21-23 S-0 '59. (MIRA 12:12)

1. Iz Respublikanskogo psikhonervrologicheskogo gosspitalya invalidov  
Otechestvennoy voyny (nachal'nik gosspitalya P.D. Filipenko).  
(BLOOD PROTEINS) (LUMINESCENT SUBSTANCES)  
(INFRARED RAYS)

KIRICHINSKIY, B.R. [Kyrychyns'kyi, B.R.]; ROYTRUB, B.A. [Roitrub, B.O.];  
BUDKEVICH, V.V. [Budkevych, V.V.]

Densitometer with an ink recorder for measuring electrophoregrams  
in penetrating and reflected light. Fiziol.zhur. 6 no.1:130-132  
Ja-F '60. (MIRA 13:5)

1. Institut fiziologii im. A.A. Bogomol'tsa AN USSR.  
(PAPER ELECTROPHORESIS) (DENSITOMETERS)

GORODETSKIY, A.A. [Horodets'kiy, O.O.]; KIRICHINSKIY, E.R. [Kirychns'kiy, E.R.]

Use of electronics in medicine and biology. *Fiziol.sbur.* 6 no.1:  
139-141 Ja-F '60. (MIRA 13:5)  
(ELECTRONICS IN MEDICINE)



ZHOGA, N.A.; KIRICHINSKIY, B.R.

Luminescence of dogs' urine in radiation sickness. Vrach. delo no.9:  
126-127 S '60. (MIRA 13:9)

1. Laboratoriya biofiziki (rukovoditel' - chlen-korrespondent AN  
USSR, prof. A.A. Gorodetskiy) Instituta fiziologii im. akad. A.A.  
Bogomol'tsa AN USSR.

(URINE—ANALYSIS AND PATHOLOGY)  
(RADIATION SICKNESS)

**Essays on Radiobiology**

**SOV/5853**

**COVERAGE:** Basic laws governing the action of ionization radiations on the living organism, problems of the dosimetry of ionization radiation, and methods of protection against ionization radiation are discussed. The book follows the seminar course on radiation biology at the Otdeleniye biologicheskikh nauk AN USSR (Department of Biological Sciences AS UkrSSR). No personalities are mentioned. There are 288 references: 175 Soviet, 42 English, 18 German, and 3 French.

**TABLE OF CONTENTS:**

From the Authors	3
<b>PART I. PHYSICAL PRINCIPLES OF RADIOBIOLOGY (B. R. Kirichinskiy)</b>	5
Fundamental Concepts of the Structure of Matter	5
Molecules and atoms	5
Card 2/12	

*KIRICHINSKIY, B.R.*

PHASE I BOOK EXPLOITATION SOV/5853

Gorodetskiy, Aleksey Afanas' yevich, Boris Romanovich Kirichinskiy, Nikolay  
Fedorovich Lipkan

Ocherki po radiobiologii (Essays on Radiobiology) Kiyev, Izd-vo AN UkrSSr,  
1961. 219 p. 3000 copies printed.

Sponsoring Agency: Akademiya nauk Ukrainskoy SSR. Institut fiziologii im.  
A. A. Bogomol' tsa.

Resp. Ed.: A. A. Gorodetskiy, Corresponding Member, Academy of Sciences  
UkrRSR; Ed. of Publishing House: L. P. Braginskiy; Tech. Ed.:  
A. A. Matveychuk.

PURPOSE: This book is intended for scientific workers, biologists, doctors,  
and biochemists.

Card 1/ ~~1~~

2

KIRICHINSKIY, B.R. [Kyrychyns'kyi, B.R.]; BARABOY, V.A.

Characteristics of the biological effect of ionizing radiation and ultraviolet rays during their combined use. Fiziol. zhur. [ukr.] 8 no.5:574-580 S-O '62. (MIRA 17:11)

1. Laboratoriya of Biophysics of the A.A. Bogomol'ski Institute of Physiology of the Academy of Sciences of the UkrSSR, Kiyev.

ACCESSION NR AML040367

BOOK EXPLOITATION

S/

Baraboy, Vilen Abramovich; Kirichinskiy, Boris Romanovich

Nuclear radiation in biology (Yaderny\*ye izlucheniya v biologii), Izd-vo AN SSSR, 1963, 131 p. illus., biblio. 6,670 copies printed. Series note: Akademiya nauk Ukrainskoy SSR. Nauchno-populyarnaya literatura.

TOPIC TAGS: biology, medicine, nuclear radiation, agriculture

PURPOSE AND COVERAGE: The book is devoted to one of the vital, intensively developing questions of modern biology -- the effect of ionizing radiation on living organisms. It is a popular treatment of the problems of nuclear radiation and its features, the effects of radiation on living organisms, its aftereffects, protection against harmful radiation, and ways of using the energy of radiation in biology, medicine, and agriculture. The book has been written with consideration of the most recent achievements of domestic and foreign science in this area and it covers the problems of Soviet, particularly Ukrainian radiologists-scientists. The complex problems of radiobiology are handled in simple, popular language and are comprehensible to the mass reader.

Card 1/2

ACCESSION NR AM1040367

TABLE OF CONTENTS [abridged]:

Introduction -- 3

Ch. I. Nuclear radiation and its properties -- 7

Ch. II. Nuclear radiation and the living organism -- 31

Ch. III. Damage in an irradiated organism -- 56

Ch. IV. Permissible doses and protection against radiation -- 81

Ch. V. Use of nuclear radiation -- 115

Bibliography -- 131

SUB CODE: LS

SUBMITTED: 28Dec63

NR REF SOV: 015

OTHER: 002

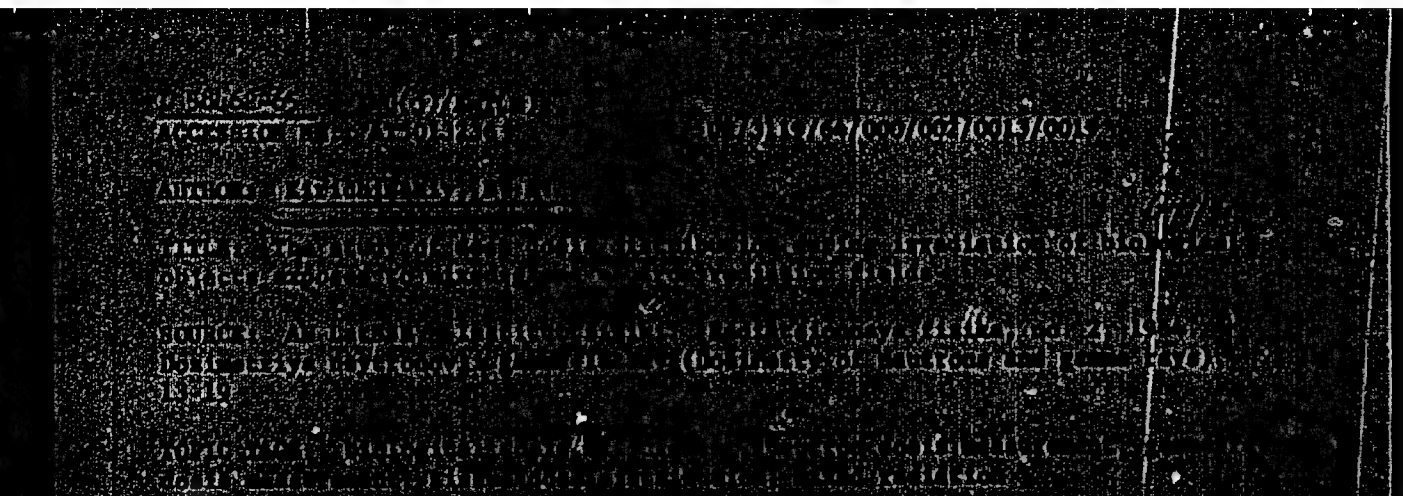
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Card 2/2

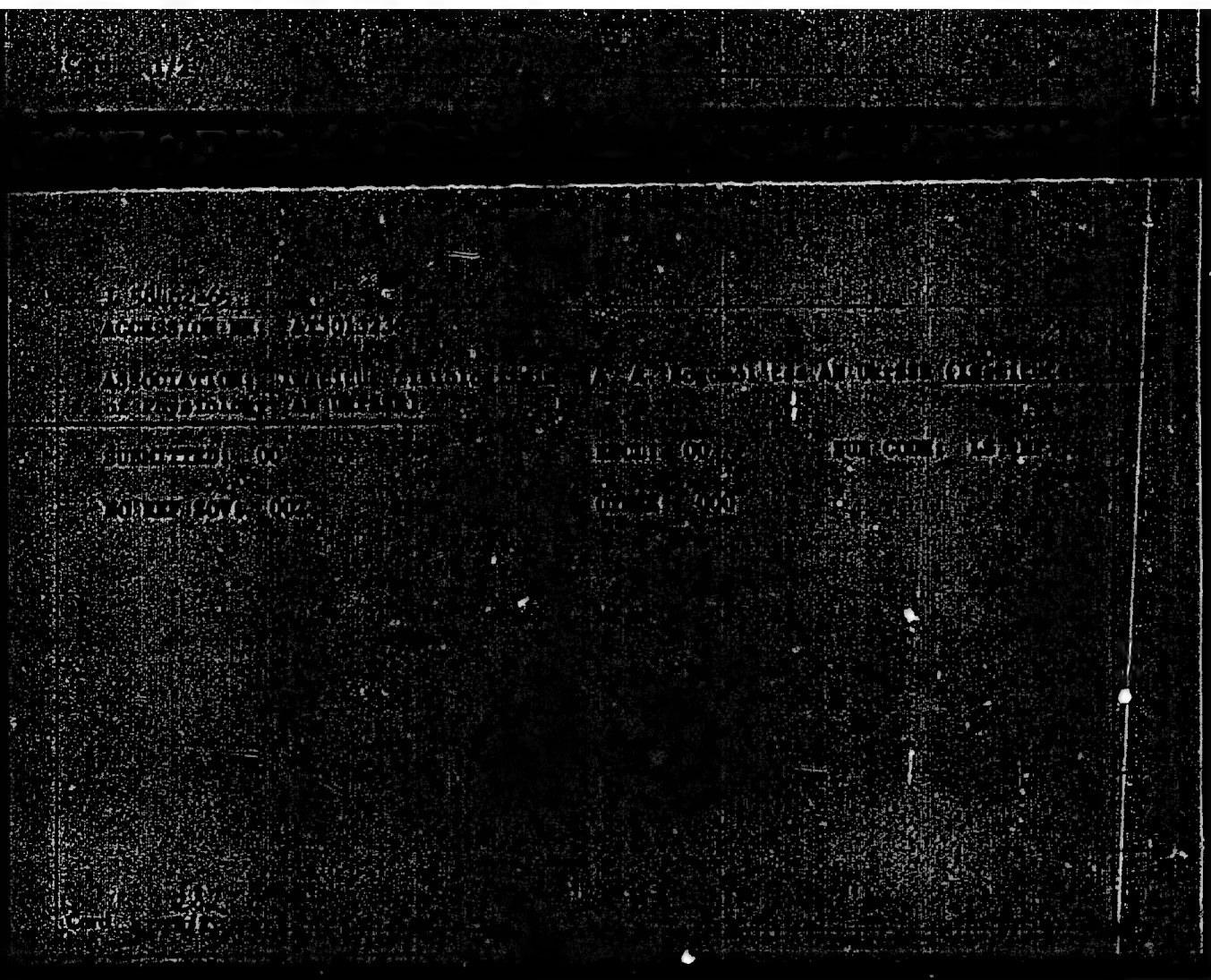
DOBRYAK, V.I.; KIRICHINSKIY, B.R.

Some possibilities with the microroentgenography method in the  
examination of bone tissue. Sud.-med. ekspert. 7 no.4:13-18  
O-D '64 (MIRA 18:1)

1. Kiyevskiy nauchno-issledovatel'skiy institut gigiyeny truda  
i professional'nykh zabolevaniy (direktor - prof. L.I.Medved')  
i Institut fiziologii imeni A.A. Bogomol'tsa (direktor - prof.  
A.F. Makarchenko AN UkrSSR, Kiyev.

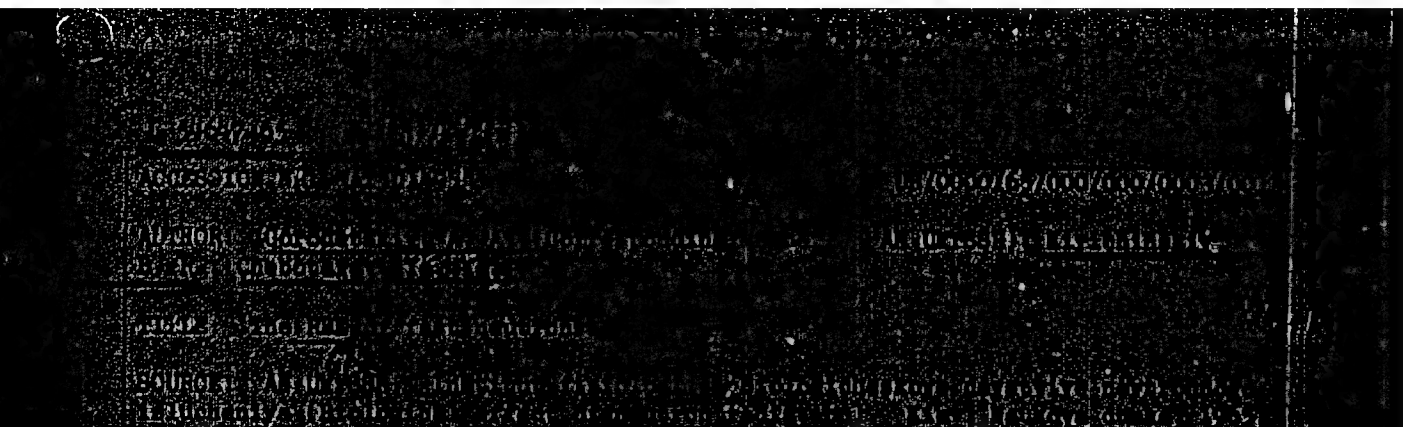






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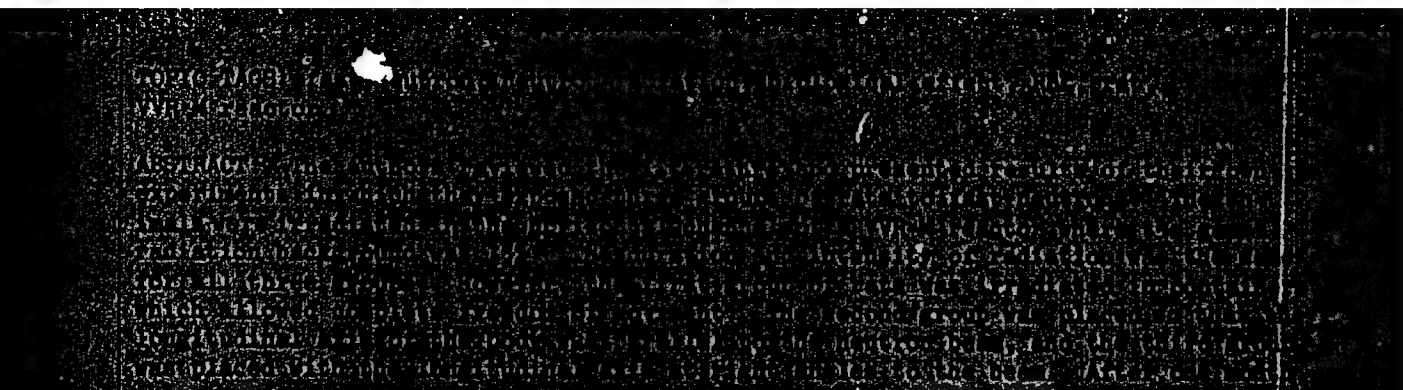


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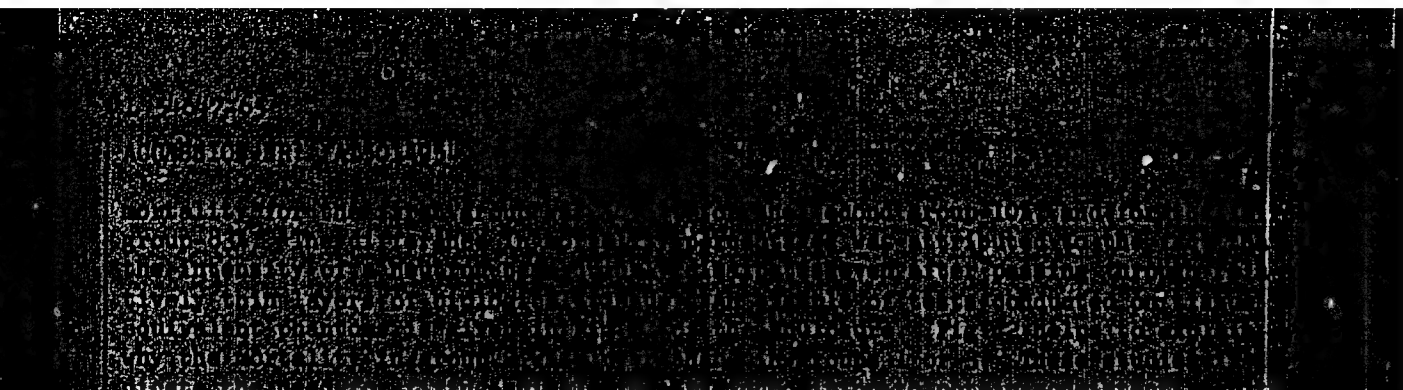


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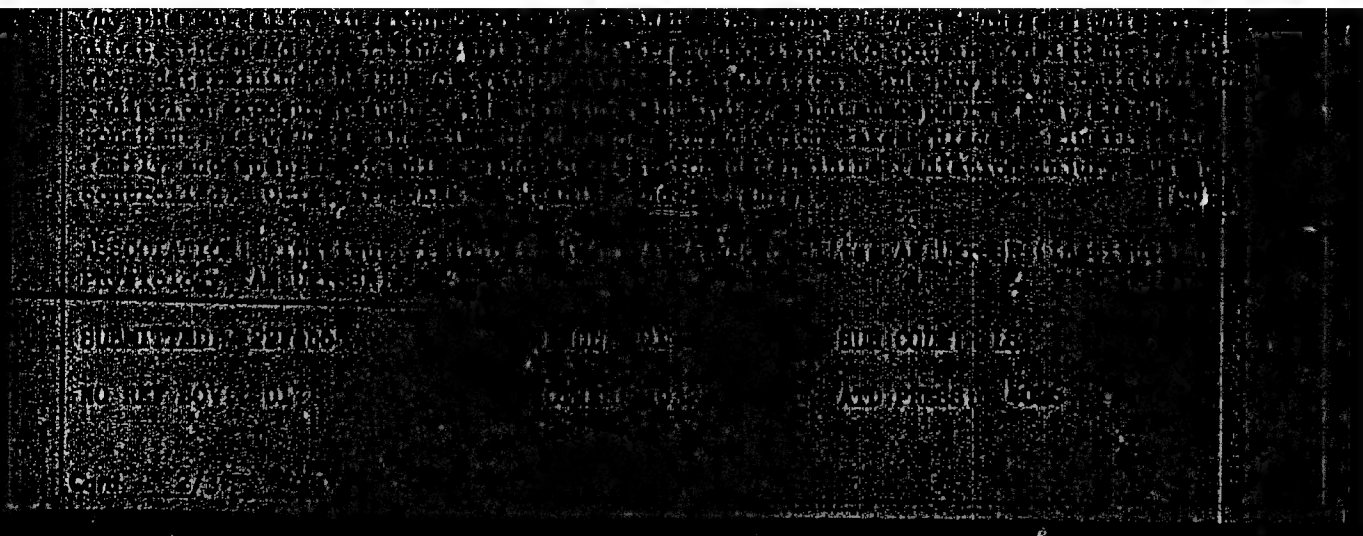


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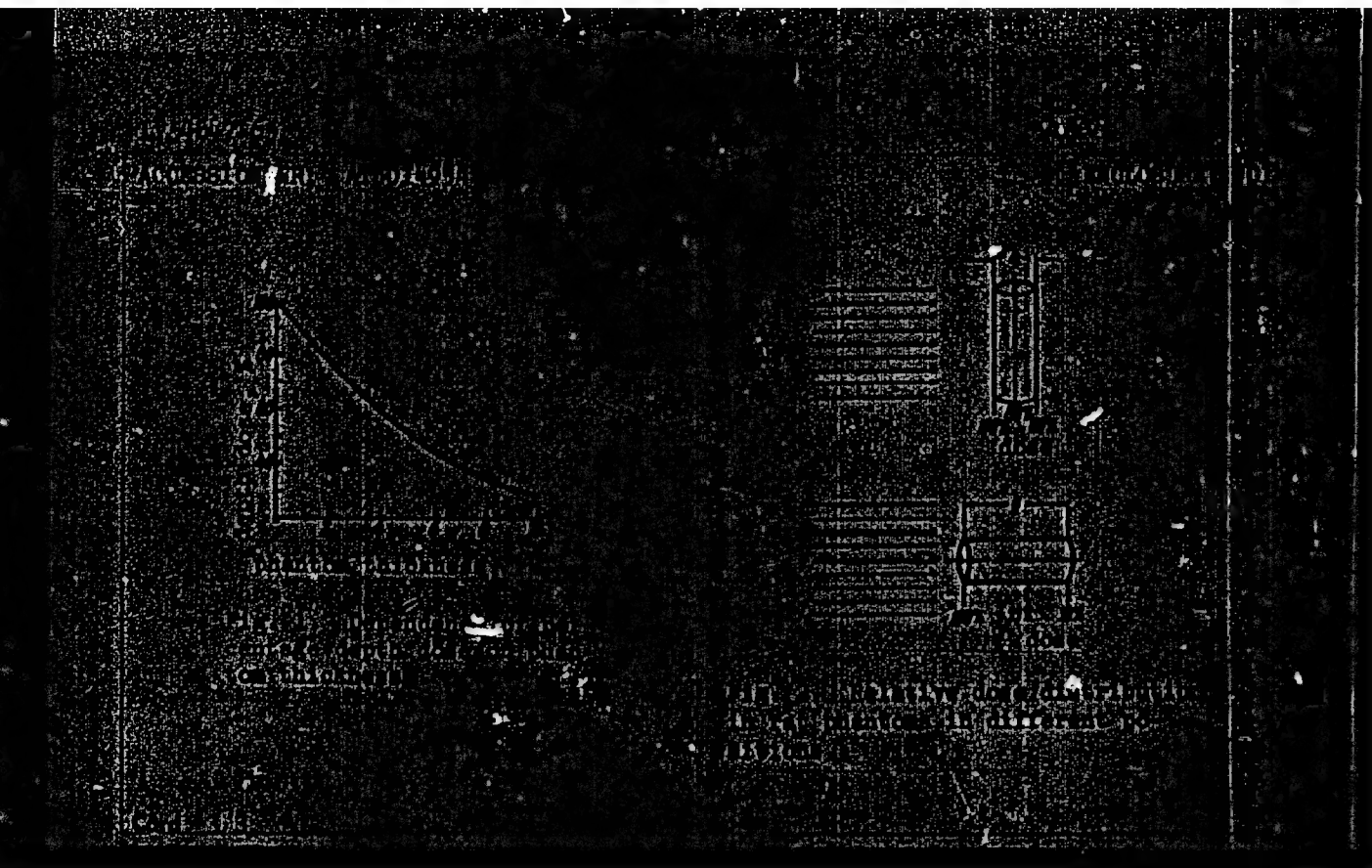
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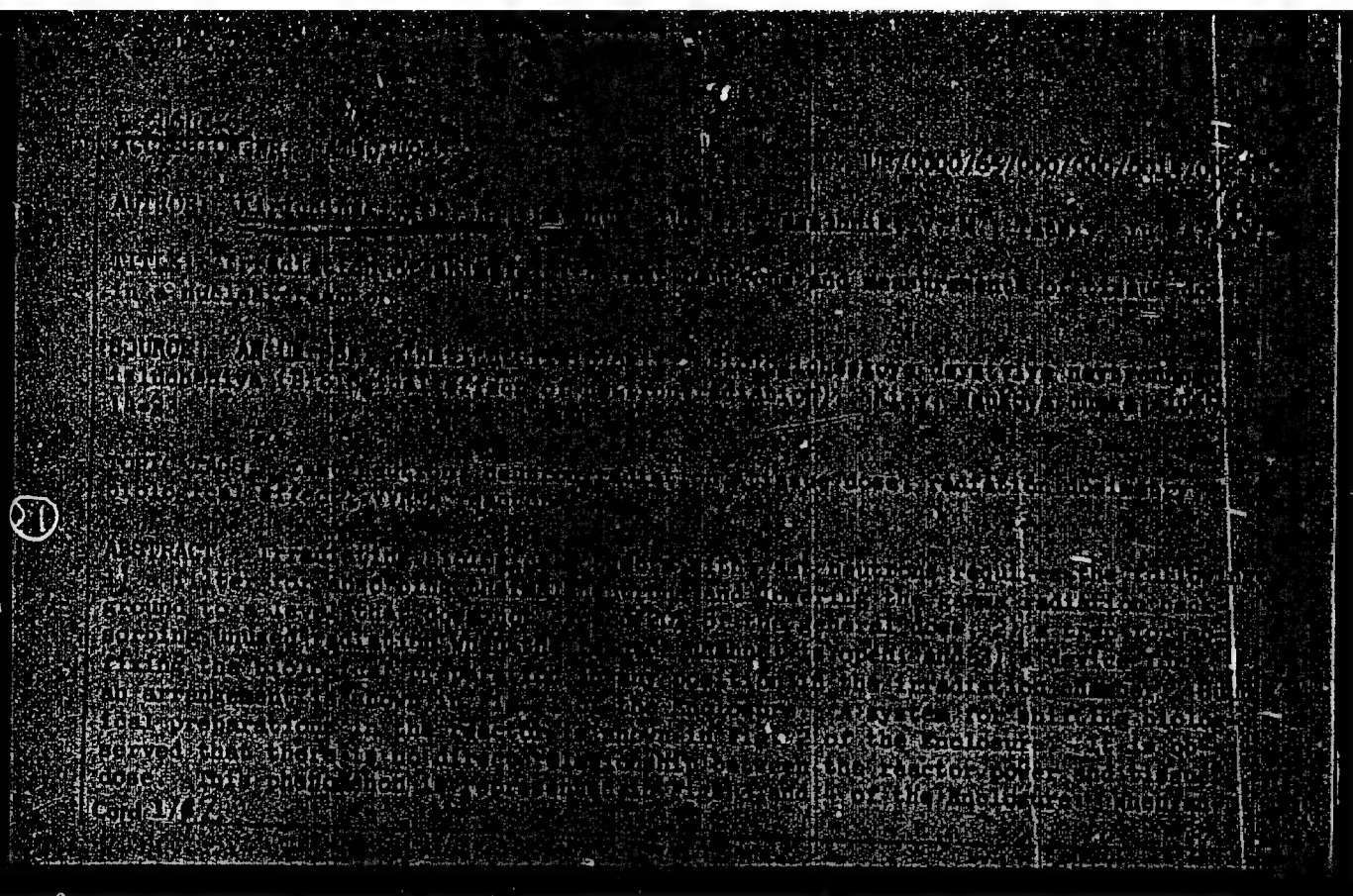
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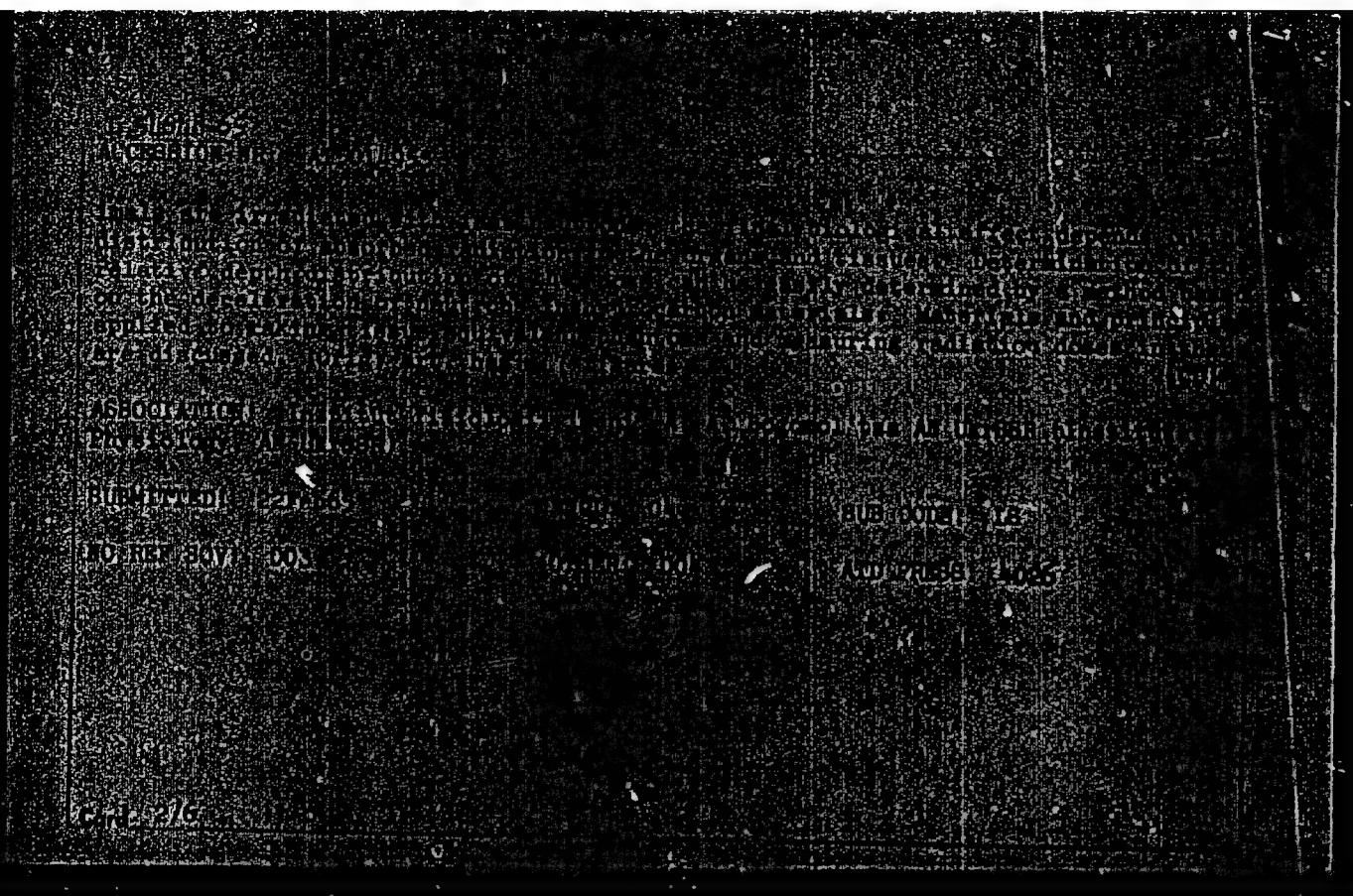


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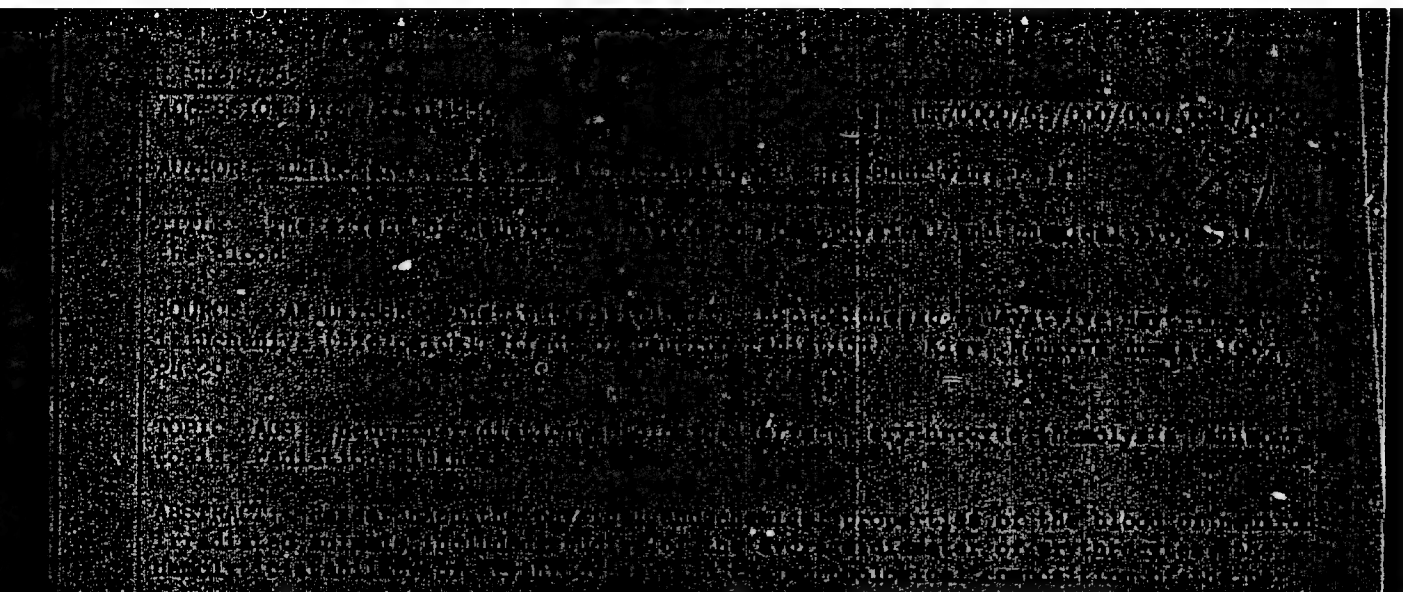






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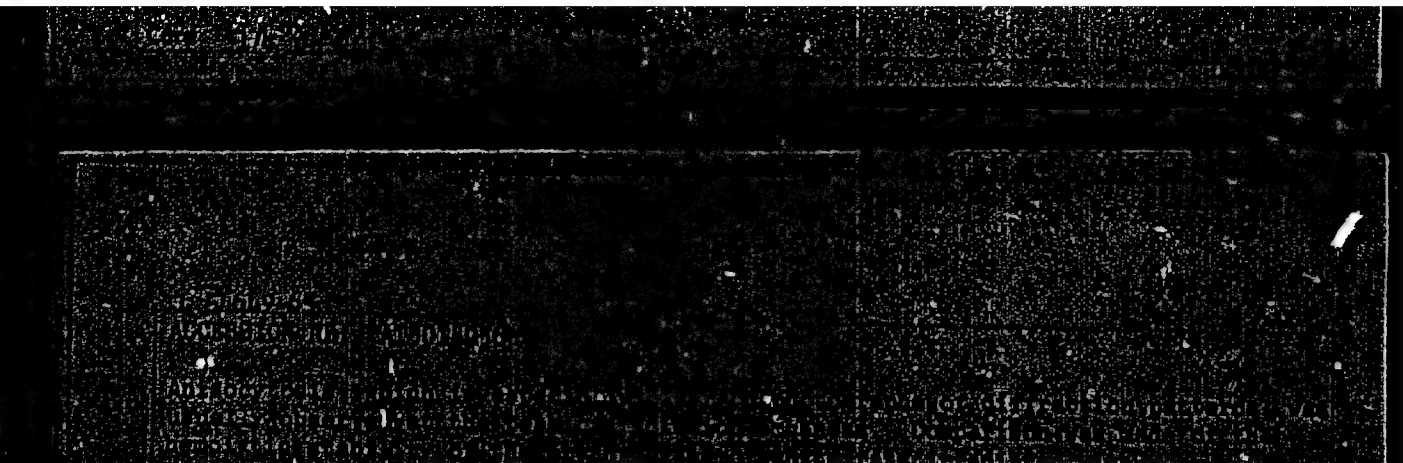


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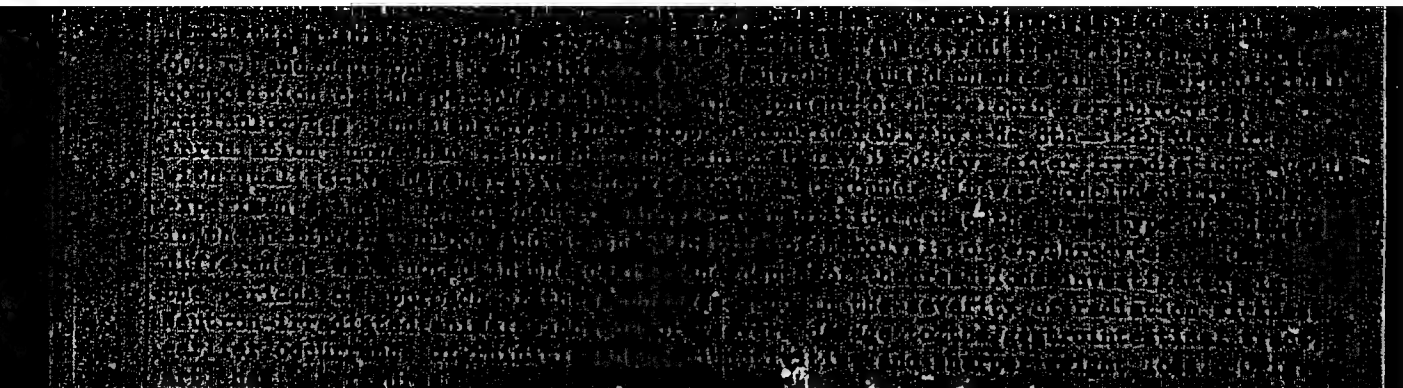


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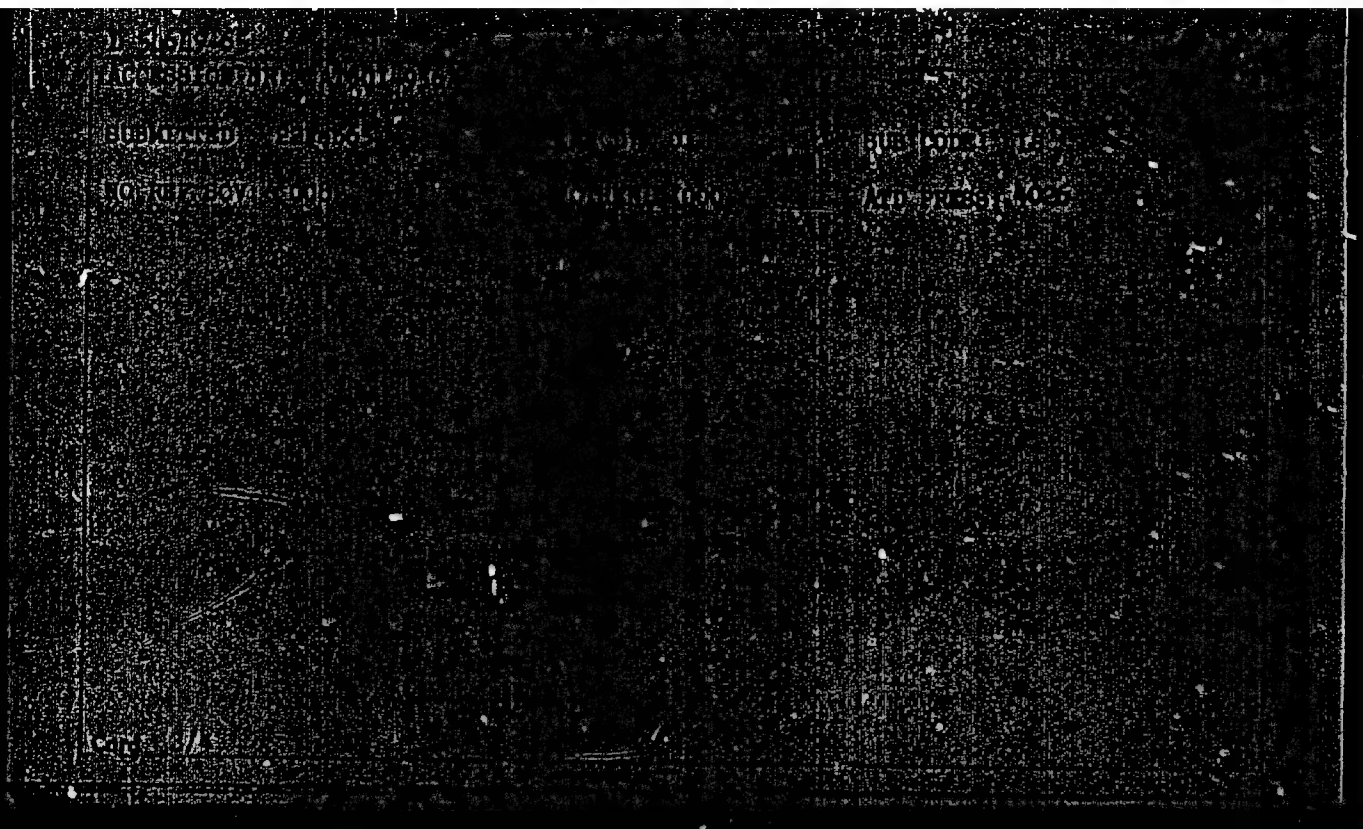


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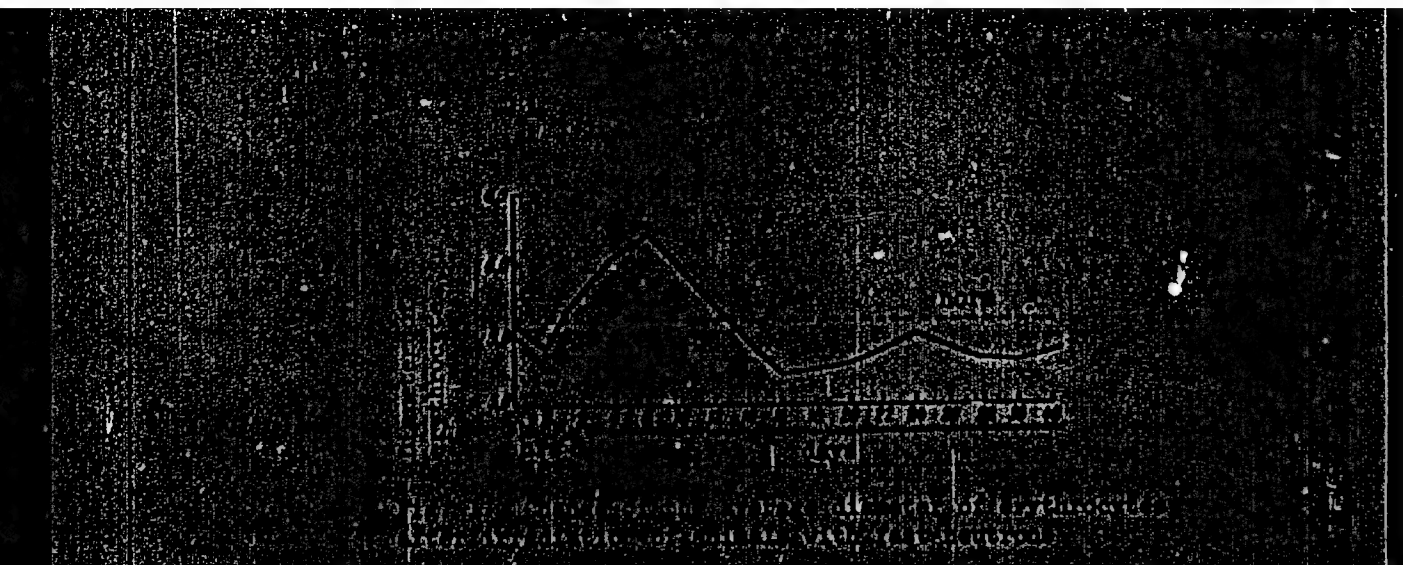
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32940-66 EEC(k)-2/EWT(1)/EWP(k)/FBD/T SCTB/IJP(c) WH/WG/DD

ACC NR: AT6022262

SOURCE CODE: UR/0000/66/000/000/0003/0004

AUTHOR: Gorodetskiy, A. A.; Kirichinskiy, B. P.; Yevdokimov, I. R.;  
Kolesnik, V. M.

ORG: none

TITLE: The biological effect and dosimetry of ruby<sup>15</sup> laser radiation

SOURCE: Vsesoyuznaya nauchnaya sessiya, posvyashchennaya Dnyu radio.  
22d, 1966, Sektsiya kvantovoy elektroniki. Doklady. Moscow, 1966, 3-4

TOPIC TAGS: laser, ruby laser, laser effect, laser beam

ABSTRACT: A study was made of the biological effects (thermal, electrical, photo-chemical, and mechanical) produced by a ruby laser emitting an energy of one joule with a 5-usec pulse. The biological effect can be studied by measuring the energy of the laser emission absorbed by the irradiated object. The absorbed energy can be measured by using calorimetric, chemical, and photographic methods. Photometry makes possible simple and convenient evaluations of the absorption and reflection of laser radiation by biological objects. The photographic method can be used to study the absorption by different objects (blood, blood plasma, skin, muscular tissues, different organs and tissues of the animal organism, biological media) and to study the effect of

Card 1/2

POBEREZKIN, Ye.A., dotsent; KIRICHINSKIY, N.R., otvetstvennyy redaktor;  
KITAYSKIY, Ye.V., redaktor; SHPAK, Ye.G., tekhnicheskiy redaktor.

[Efficient calculation of continuous beams] Ratsionalizatsiya  
rascheta nerazresnykh balok] Pt. 2. [Beams with differing linear  
rigidity in all spans] Balki s raznymi pogonnymi shestkostiami vo  
vsekh proletakh. Moskva, Ugletekhnizdat. 1952. 214 p. [Microfilm]  
(Girders) (MLBA 8-1)

SEVER'YANOV, N.N., kand. tekhn. nauk, red.; BERLIN, A.Ye.,  
retsenzent; VOYTSEKHOVSKIY, G.A., retsenzent;  
DAVYDOVA, Ye.A., retsenzent; ZIL'BERSHTEIN, Ya.Yu.,  
retsenzent; KIRICHINSKIY, N.N., retsenzent; KLEPIKOV,  
L.N., retsenzent; KUBYNIN, A.Ye., retsenzent; LEBEDEV,  
V.V., retsenzent; MOROZOV, V.P., retsenzent; MOSKVIN,  
V.B., retsenzent; MUSARSKIY, I.S., retsenzent; PODEPNI,  
Yu.S., retsenzent; SALIKOV, I.A., retsenzent; SUSHCHENKO,  
A.A., retsenzent; TRET'YAKOV, K.M., retsenzent; UL'YANOV,  
V.P., retsenzent; TSVIRKO, P.P., retsenzent; TSOY, A.G.,  
retsenzent; CHEL'TSOV, N.I., retsenzent; SHICHCHITS, G.N.,  
retsenzent; DIDKOVSKIY, D.Z., otv. red.

[Handbook on the prospecting, planning, and construction  
of strip mines] Spravochnik po izyskaniyam, proektirovaniyu  
i stroitel'stvu kar'erov. Moskva, Nedra, 1964. 2 v.  
(MIRA 18:2)



KIRICHKO, I. M., Cand Tech Sci -- (diss) "Construction of  
Shallow-Laid Drains in Areas Susceptible to Landslides (<sup>Generalization</sup> ~~Summing~~  
<sup>on the example</sup> ~~of~~ and Analysis of Experience in Constructing Drains ~~as Discoun-~~  
<sup>of the</sup> ~~ted for~~ Kiev Landslide Area)." Kiev, 1957. 17 pp (Min of  
Higher Education Ukr SSR, Kiev Engineering-Construction Inst),  
110 copies (KL, 48-57, 106)

- 30 -

*KIRICHKO, I.M.*

ANUFRIYEV, V.Ye., dotsent, kand.tekhn.nauk; KURDYUMOV, M.D., inzh.,  
retsensent; SMYSLOV, V.V., kand.tekhn.nauk, retsensent; KOSYURA,  
G.O., kand.tekhn.nauk, retsensent; BULAVA, M.M., dots., retsensent;  
DRANNIKOV, A.M., doktor geol.-mineralog.nauk, retsensent; KIRICHKO,  
I.M., dotsent, retsensent; POBEGAYLO, I.M., inzh., retsensent;  
UCHITEL', I.Z., red.; GUROVA, O.A., tekhn.red.

[Hydraulic engineering structures for cities] Gorodskie gidro-  
tekhnicheskie sooruzheniya. Moskva, Izd-vo M-va kommun.khoz.,  
1957. 264 p. (MIRA 11:7)

(Hydraulic engineering)

*KIRICHKOVA, A. I.*

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 1, 15-57-1-177  
p 25 (USSR)

AUTHOR: Kirichkova, A. I.

TITLE: Flora of the Upper Indrikotherium Series in Akmola  
(Flora verkhov indrikoteriyevoy svity v Akmole)

PERIODICAL: Materialy po istorii fauny i flory Kazakhstana. Vol 1,  
Alma-Ata, AN KazSSR, 1955, pp 138-150

ABSTRACT: Imprints of needles and leaves of the conifers and  
phanerogamae have been well preserved in the layer of  
pinkish white kaoline clays of the Indrikotherium  
series; these deposits are dated as the uppermost  
Oligocene, and lie on the right shore of Dulygaly-  
Zhilanshik River near the ~~oape~~ of Akmola (Turgay  
graben). Among these imprints were found, for the  
first time in this region, Cedrus sp. (a sprout and a

Card 1/2

VYALOVA, R.I.; KIRICHKOVA, A.I.

Jurassic sediments in the Mangyshlak Peninsula. Trudy VNIGRI  
no.218:236-247 '63. (MIRA 17:3)

KIRICHKOVA, A.I.

Complexes of fossil plants of the Lower Mesozoic in the eastern  
Urals. Trudy VNIGRI no.186:235-240 '61. (MIRA 15:3)  
(Ural Mountains—Paleobotany, Stratigraphic)

KIRICHKOVA, A.I.

New materials on the Triassic flora of the Central Urals. Trudy  
VNIGRI no.196. Paleont.sbor. no.3:457-469 '62. (MIRA 16:4)  
(Ural Mountains—Paleobotany, Stratigraphic)

KIRICHKOVA, A.I.

Floristic complexes in Mesozoic coal-bearing sediments of the  
Chelyabinsk Basin. Trudy VNIGRI no.196. Paleont.sbor. no.3:471-  
493 '62. (MIRA 16:4)  
(Chelyabinsk Basin--Paleobotany, Stratigraphic)

KIRICHKOVA, A.I.

Genus Cladophlebia in Lower Mesozoic sediments of the eastern  
Urals. Trudy VNIIGRI no.196. Paleont.sbor. no.495-577 '62.  
(MIRA 16:4)  
(Ural Mountains--Ferns, Fossil)



KIRICHKOVA, A.I.; PAVLOV, V.V.

New Cretaceous ferns from the north of Siberia. Paleont. zhur.  
no.2:118-121 '65. (MIRA 18:6)

1. Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy geologorazvedochnyy institut.

KIRICHOK, Yu.G., inzhener.

Electric speed regulator for hoisting machines with G-D system  
drive. Gor.shur. no.5:59-60 Ky '56. (MLRA 9:8)

1. Energolaboratoriya rudoupravleniya imeni Dzerzhinskogo  
(Krivoy Rog--Mine hoisting)

*KIRICHOK, Yu.G.*  
BLAGONRAVOV, V.I., inshener; KIRICHOK, Yu.G., inshener.

Redesign of hoisting systems in mines of the Krivoy Rog Basin.  
Gor. zhur. no.7:66-69 J1 '57. (MIRA 10:8)

1. Energolaboratoriya tresta Dzerzhinskruka.  
(Krivoy Rog--Mins hoisting)

AUTHOR: Kirichok, Yu.G., Engineer SOV-127-58-10-15/29

TITLE: An Assembly Unit for Testing Hoisting Installations (Komplekt apparatury dlya ispytaniya pod'yemnykh mashin)

PERIODICAL: Gornyy zhurnal, 1958, Nr 10, pp 50-52 (USSR)

ABSTRACT: The Laboratory of Energetics of the Dzerzhinskruada Trust designed and constructed devices to test hoisting equipment in mines of the Krivoy Rog basin. A detailed description of the device is given. The unit was tested and was found to be very efficient due to its simplicity, reliability and accuracy. There are 4 diagrams and 1 photo.

ASSOCIATION: Energolaboratoriya tresta Dzerzhinskruada (The Power Laboratory of the Dzerzhinskruada Trust)

1. Hoists--Testing equipment

Card 1/1

KIRICHOK Yu. G.

14(5)

AUTHORS:

TITLE:

PERIODICAL:

ABSTRACT:

Card 1/2

SV/27-59-3-6/22

Malinovskiy, M.Ya, Chichikyanov, R.F., Blagovestov, V.L., Kirichok, Yu. G. and Popovich, P.N., Engineers. The Automatic Control of an Electrically Driven Hoist with an Exciter-Regulator (Automaticheskoye upravleniye elektropivodom pod'yema s vzbuditelem)

Gor'kovy zhurnal, 1959, No. 3, pp 24-26 (USSR)

Laboratoriya avtomatiki i telemekhaniki Leningradskogo gosudarstvennogo inzhenernogo instituta (Laboratory of Automation and Telemekhanics of the Leningrad Mining Institute) developed a new automatic system for ship hoisting in the Severnaya Klad' of the Krasnodar Management Ismail. A normal direct current motor of PS-100 type is used as an exciter-regulator of the generator. To make the use of such motor possible, this winding is divided into two parts. This winding is generally consists of two coils on each pole. The dividing consists in connecting coils with a larger

SV/27-59-3-6/22

The Automatic Control of an Electrically Driven Hoist with an Exciter-Regulator.

number of turns in series, which form a master winding of the regulator. Coils with smaller number of turns, connected similarly, form the winding of the regulating feedback. This system replaced the old automation system which used a KKK regulator of longitudinal field. The new system stopped-up hoisting operations. There are 2 oscillograms, 1 diagram and 2 Soviet references.

Card 2/2

KORNILOV, Vasily Denisovich; KIRICHOK, Yuriy Grigor'yevich; KOZLOV, V.Z.,  
otv. red.; D'YAKOVA, G.B., red. izd-va; LOMILINA, L.N., tekhn.  
red.

[Principles of the safe and highly productive operation of hoists  
in ferrous and nonferrous metal mines] Osnovy bezopasnoi i vysoko-  
produktivnoi raboty podzemnykh ustanovok na rudnikakh (chernoi  
i tsvetnoi metallurgii). Moskva, Gos. nauchno-tekhn. izd-vo lit-ry  
po gornomu delu. 1961, 162 p. (MIRA 14:10)  
(Mine hoisting)

POLTAVA, L.I., kand.tekhn.nauk; KIRICHOK, Yu.G., inzh.

Indices of the operating reliability of skip hoists. Gor. zhur.  
no.3:59-60 Mr '62. (MIRA 15:7)

1. Dnepropetrovskiy gornyy institut (for Poltava). 2. Energolaboratoriya tresta Dzerzhinskhruda, Krivoy Rog (for Kirichok).  
(Mine hoisting)

KIRICHOK, Yu.G.; KLISHKO, B.K.; KUCHER, G.A.; KHAYKIN, M.I.;  
KOVACH, I.A.; DANILEYKO, K.Ya.

Redesigning a skip hoist of the "Bol'shevik" Mine. Gor.  
zhur. no.10:68-72 0 '61. (MIRA 15:2)

1. Energolaboratoriya tresta Dzerzhinskruka (for Kirichok,  
Klishko, Kucher, Khaykin). 2. Institut Krivbassproyekt  
(for Kovach, Danileyko).  
(Krivoy Rog Basin—Mine hoisting)



POLTAVA, L.I., dotsent; KIRICHOK, Yu.G., inzh.

Transfer functions and structural diagrams of electric drives  
with mechanical resilient links. Izv. vys. ucheb. zav.; gor.  
zhur. 7 no.5:98-104 '64. (MIRA 17:12)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy  
institut imeni Artema (for Poltava). 2. Energolaboratoriya  
treata Dzerzhinskrua (for Kirichok). Rekomendovana kafedroy  
gornoy elektrotekhniki Dnepropetrovskogo ordena Trudovogo  
Krasnogo Znameni gornogo instituta im. Artema.

ACC NR. AB6035403

SOURCE CODE: UR/0372/66/000/009/0045/0045

AUTHOR: Kirichok, Yu. G.

TITLE: Design of automatic drive control systems using the "Ural-2" computer

SOURCE: Ref. zh. Kibernetika, Abs. 96290

REF SOURCE: [Sb. nauchn. tr.] N.-i. gornorudn. in-t USSR, no. 8, 1965, 135-152

TOPIC TAGS: automatic control system, automatic control design, hoisting equipment, mining machinery, *digital computer, computer calculation / Ural-2 computer*

ABSTRACT: It is emphasized that high-grade dynamic adjustment of the regulators to match the given object is very important, and that this calls for preliminary correctly-based calculations with a digital computer. The main principles governing the construction of the structural diagrams of electromechanical automatic control system are developed. Expressions are derived for the transfer functions of an automatic control system for mine hoisting machinery with two drive variants: a) single-loop PMJ-EMU-110 single- and multi-motor drive; b) system of coupled individual drives, based on two-loop PMJ-EMU-110 schemes. The amplification coefficients of an open-loop automatic control system were calculated at NIGRI with the Ural-2 computer for a wide range of variation of the time constants of the automatic control system components. The results of calculations made with and without allowance for the inductance of the main circuit are tabulated. A detailed analysis is made of the results of the calculations. It is established that allowance for the inductance of the main circuit, in

Card 1/2

UDC: 62-906; 681.142; 62

ACC NR. AR6035403

the form of a second ~~second-order~~ periodic link, lowers the critical gain. In addition, this critical gain increases with increasing power of the installation. Closed-loop automatic control systems for the drive of the operating machine, with elastic couplings, are considered. A block diagram of such an automatic control system is presented and its transformation required to obtain the transfer function is indicated. Computation formulas are derived for the critical values of the open-loop gain of the automatic control system, with allowance for the influence of elastic couplings. It is assumed that the proposed procedure for representing an electromechanical automatic control system in the form of structural diagrams makes it possible to readily obtain the transfer functions of complicated electromechanical automatic control systems. The calculated and tabulated gain values make it possible to dispense with cumbersome calculations of the automatic control system stability during the design and adjustment stages. In addition, the procedure developed for obtaining the transfer functions and for programming makes it possible to design an extensive class of automatic control systems suitable for various branches of industry. 3 illustrations, 2 tables. V. M. [Translation of abstract]

SUB CODE: 13,09

Card 2/2

DIYUK, N.I.; KIRICHUK, A.A.

Carbonated waters of Krasnoyarsk Territory. Razved.i okh. nedr 29  
no.1:50-51 Ja'63. (MIRA 16:2)

1. Krasnoyarskoye geologicheskoye upravleniye (for Diyuk).
2. Arapkayevskaya partiya (for Kirichuk).  
(Krasnoyarsk Territory—Mineral waters)

ABIDZHANOV, Sokhib; BAZHITOV, I.V., inzh.-normirovshchik; KIRICHUK, A.S.;  
KOKOREV, V.A.; KUZNETSOV, I.F.; PAVLOVA, M.I.; dotsent; ZHUPIKOVA,  
D.M., dotsent

Consultation. Tekst. prom. 21 no.1:91-93 Ja '61.

(MIRA 14:3)

1. Master lento-rovinchnogl tsekha Kokandskogo chulochuno-  
pryudil'nogo kombinata (for Abidzhanov). 2. Fabrika imeni Lakina  
(for Bazhitov). 3. Master remontno-montazhnogo otdela Barnaul'skogo  
khlopchatobumazhnogo kombinata (for Kirichuk). 4. Vessoyuznyy nauchno-  
issledovatel'skiy institut tekstil'nogo i legkogo mashinostroyeniya (for  
Kokorev). 5. Nachal'nik tekhnicheskogo otdela Pavlov-Pokrovskoy  
fabriki (for Kuznetsov). 6. Kafedra tkachestva Moskovskogo tekstil'nogo  
instituta (for Pavlova, Zhupikova).  
(Textile industry)

ACC NR: AP7004914

(N)

SOURCE CODE UR/0109/66/011/012/2261/2262

AUTHOR: Vereshchagin, I. K.; Kirichuk, A. S.

ORG: none

TITLE: Effect of temperature on the shock ionization coefficient in silicon carbide

SOURCE: Radiotekhnika i elektronika, v. 11, no. 12, 1966, 2261-2262

TOPIC TAGS: silicon carbide, impact ionization, high temperature effect, *PN JUNCTION*,  
*TEMPERATURE DEPENDENCE*

ABSTRACT: An investigation was made of ionization processes generated by a strong field in the p-n junctions of silicon carbide at temperatures above room temperature. The junctions were prepared by the boron diffusion method, or by addition of aluminum and silicon at 1700°C to α-SiC crystals with electron conductivity. With the application of reverse voltages  $V > 3v$  an increase was observed of photocarriers generated in crystals whose p-side was illuminated by a mercury-quartz lamp. The multiplication factor  $M$  was found from the relation of the photocurrent at a given  $V$  and of the photocurrent at  $V < 2v$ , when the generation of electron-hole pairs on account of shock ionization of the lattice under stationary conditions is not possible. The ionization number  $N$  for one electron which has crossed the barrier region can be obtained from the relationship  $N = 1 - M^{-1}$ . The dependence of  $N$  on the voltage at the d-wide junction when coefficients of shock ionization are equal for electrons and holes ( $\alpha$ ), and for an average field strength in the junction  $E \sim \sqrt{V_0}$ , may be described by the formula  $N = \alpha d = a \exp(-b/V_0)$ ; where  $a$  and  $b$  are parameters depending for a given

Card 1/2

UDC: 621.382

ACC NR: AP7004914

sample on the temperature. Data obtained for a diffusion junction are shown in Fig. 1. Orig. art. has: 3 formulas and 1 figure. [JP]

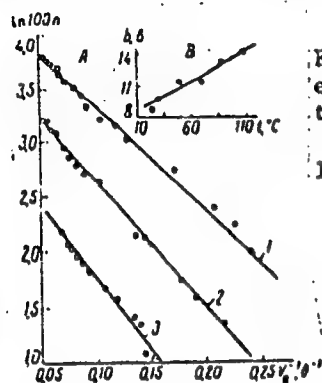


Fig. 1. The dependence of the ionization number per one electron ( $N$ ) on voltage in the junction ( $V_0$ ) at various temperatures (A); the dependence of  $b$  on temperature (B):

1 - 30°C; 2 - 70°C; 3 - 110°C.

SUB CODE: 20/ SUBM DATE: 28Mar66/ OTH REF: 007/ SOV REF: 004/

Card 2/2

L 26492-66 EWT(1)/EWT(m)/ENP(t) LJP(c) JD

ACC NR: AP8013060

SOURCE CODE: UR/0048/66/030/004/0604/0606

AUTHOR: Vereshchagin, I. K.; Kirichuk, A. S.

ORG: None

TITLE: Electroluminescence of silicon carbide / Report, Fourteenth Conference on Luminescence held in Riga, 18-23 September 1965/

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 30, no. 4, 1966, 604-606

TOPIC TAGS: electroluminescence, silicon carbide, pn junction, *crystal*

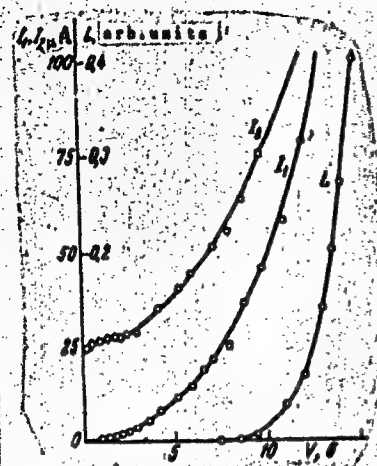
ABSTRACT: Luminescence of silicon carbide induced by strong fields has been investigated by a number of authors, but in most cases the experiments involved natural crystals containing differently oriented rectifying layers both near the surface and in the volume. The present paper gives a brief description of the results obtained in studying the emission of individual p-n junctions and points of metal-SiC contact with the voltage applied in the blocking (reverse) direction. (Electroluminescence of p-n junctions biased in the forward direction has been investigated by others: L. Patrick (J. Appl. Phys., 28, 785, 1957; T. Ye. Kharlamova and G. F. Kholuyanov (Fiz. tverdogo tela, 2, 426, 1960)). It was found that the color of the emission from a back-biased junction may vary from red to green, depending on the structure of the crystal specimen and the nature of the impurities present. Typical voltage dependences of the dark

Card 1/2



L 26492-66

ACC NR: AP8013080



Voltage dependences of the dark current  $I_d$ , the photocurrent  $I_p$ , and the electroluminescence  $L$  for a reverse biased alloyed p-n junction.

current, the photocurrent and the luminescence brightness are shown in the figure. The electroluminescence does not attain saturation during short (10 microsec) pulses. Also, after termination of a voltage pulse the emission smoothly falls off for several tens of microseconds. The values of the multiplication factor  $M$  were found from the ratio of the photocurrent at the given  $V$  to the photocurrent at  $V = 1-2$  volts; similar rising, but distinctive curves for  $M$  versus  $V$  were obtained for alloyed and diffused junctions and for an Fe-SiC contact, the curve for the alloyed junction being the steepest. The investigated diffused junctions were prepared by G.F. Kholuyarov and N.Ye. Violin; the authors are grateful to them for making these specimens available. Orig. art. has: 3 figures.

SUB CODE: 20/

SUEM DATE: 00/

ORIG REF: 005/

OTH REF: 003

Card 2/2 *cc*

KIRICHUK, B.N., gornyy inzh.; SHVED, Yu.M., gornyy inzh.

Self-cleaning bar grizzlies. Gor. zhur. no.8:54-55 Ag '64.  
(MIRA 17:10)

1. Nauchno-issledovatel'skiy gornorudnyy institut, Krivoy Rog.

KALINICHENKO, V.F., kand.tekhn.nauk; KIRICHUK, B.N., inzh.; SHVED, Yu.M., inzh.

Automation of the crushing and sorting plant at the "Severnaya"  
Mine. Gor.zhur. no.12:46-48 D '64. (MIRA 18:1)

1. Nauchno-issledovatel'skiy gornorudnyy institut, Krivoy Rog.

1. The following information was obtained from a review of the  
files of the Central Intelligence Agency, Office of the Director of Intelligence, and the Central Intelligence Agency, Office of the Chief of Staff, dated 10/1/61.

LAVRINENKO, M.Z., inzh. (Krivoy Rog); KIRICHUK, I.Z., inzh. (Krivoy Rog)

Ways of a centralized production and reconditioning of bore rods.  
Gor. zhur. no.7:59-62 J1 '65. (MIRA 18:9)

KIRICSI, Laszlo; GERLE, Gyorgy, dr.

Parallel streetcar and motorbus service. Musz elet 20 no.8:6  
22 Ap '65.

1. Capital Motorbus Company (for Kiricsi).

1. IRIDZE RV 3  
ACCESSION NR: AP4042889

S/0251/64/035/001/0059/0086

AUTHOR: Barnaveli, T. T., Bibilashvili, M. F., Dzhavriashvili, A. K., Grubelashvili, G. A., Kararov, R. Ye., Kuridze, R. V., Khaldeyeva, I. V.,

TITLE: investigation of the spatial distribution of mu-mesons in extensive atmospheric showers at a depth of 200 meters (water equivalent)

SOURCE: AN GruzSSR. Soobshcheniya, v. 35, no. 1, 1984, 59-66

TOPIC TAGS: meson, mu meson, atmospheric shower, cosmic ray, nuclear physics, atmospheric physics, meson spatial distribution

ABSTRACT: A study of the spatial distribution of the penetrating component of extensive atmospheric showers has been made in the underground laboratory of the Institut fiziki Akademii nauk Gruzinskoy SSR (Institute of Physics of the Academy of Sciences of the Georgian SSR). The selected geometry of the experiment ensured measurement of the density of the mu-meson flux to a distance of 80-100 m from the shower axis. An attempt was made to compute the total quantity of penetrating particles with a minimum energy of 40 Bev and their contribution to the energy balance of the shower and to detect nonuniformities in the mu-meson flux. Determination of the mu-meson component characteristics at a

Card 1/5

ACCESSION NR: AP4042989

depth of 200 m (water equivalent) required determination of the direction of arrival of the axis of the shower because the distance between the mu-meson detectors underground and the axis of the shower recorded at the surface is dependent on the angle of inclination of the axis. Arrangement of the underground apparatus is shown in Fig. 1 of the Enclosure. Scintillation apparatus was used for detecting showers and the inclination of their axes. A pulse from the coincidence circuit of this apparatus triggers both the OK-19 oscillograph and a blocking generator controlling the operation of two modulators using TGI-1-130/10 thyratrons, one of which triggers the pulse hodoscopes situated on the surface around the building, as shown in Fig. 2 of the Enclosure; another thyatron controls the underground mu-meson detectors. The underground part of the apparatus consists of a system of eight hodoscopic detectors, each separated by lead blocks 10 cm thick. Each detector has an area of 0.5 m<sup>2</sup> and the total area of the underground detectors is 4 m<sup>2</sup>; each detector has a triple-coincidence circuit. During the 1,920 hours of operation the underground detectors were triggered 415 times. The mean dimension of showers (with respect to quantity of particles) was  $6 \times 10^5$ . Densities are given in a table. An expression is given for the distribution, and the results are compared with similar work done at the NIIYa MOU. Orig. art. has: 2 formulas, 6 figures and 1 table.

ASSOCIATION: Institut fiziki Akademii nauk Gruzinskoy SSR, Tbilisi (Physics Institute, Academy of Sciences of the Georgian SSR).

Card 2/5

Submitted: 20 Nov '63



KIRGIN, B.

KIRGIN, B.

AUST  
YUGO.

✓ 61-264  
Kirgin, B. Die Schneeverhältnisse in den Gebirgsregionen von Ostkirgistan und  
Makrensko (Tadschikistan). (Snow conditions in mountain regions of Gorki Katar and  
Makrensko, Tadzhikistan). 1. Water and Lake, Vienna, 5(7/8):154-157, 1954. 2. 3 figs., 3 refs.  
MIS-5844. The author discusses the dependence of snow duration upon height above sea level  
and the effect of winter precipitation upon duration of snow cover. Subject Headings: 1. Snow  
cover duration. 2. Altitude influence. 3. Tadzhikistan. I.L.D.

F. KIRIGIN

"Motor Oils and Engine Lubrication. n. 201" (HAFTA, Vol. 4, No. 6,  
June 1953, Zagreb, Yugoslavia)

APPROVED FOR RELEASE: 09/17/2001. CIA-RDP86-00513R000722620011-0"  
SO: Monthly List of East European Acquisitions, Vol. 4, No. 11,  
Nov. 1953, Uncl.

KIRIGIN, Ferdinand, inz.

Quality and assortment of automobile oils at the Rijeka Oil Refinery. Nafta Jug 13 no.11/12:474-479 N-D '62.

1. Rafinerija nafte, Rijeka.

KIRIGIN, Ferdinand, inz.

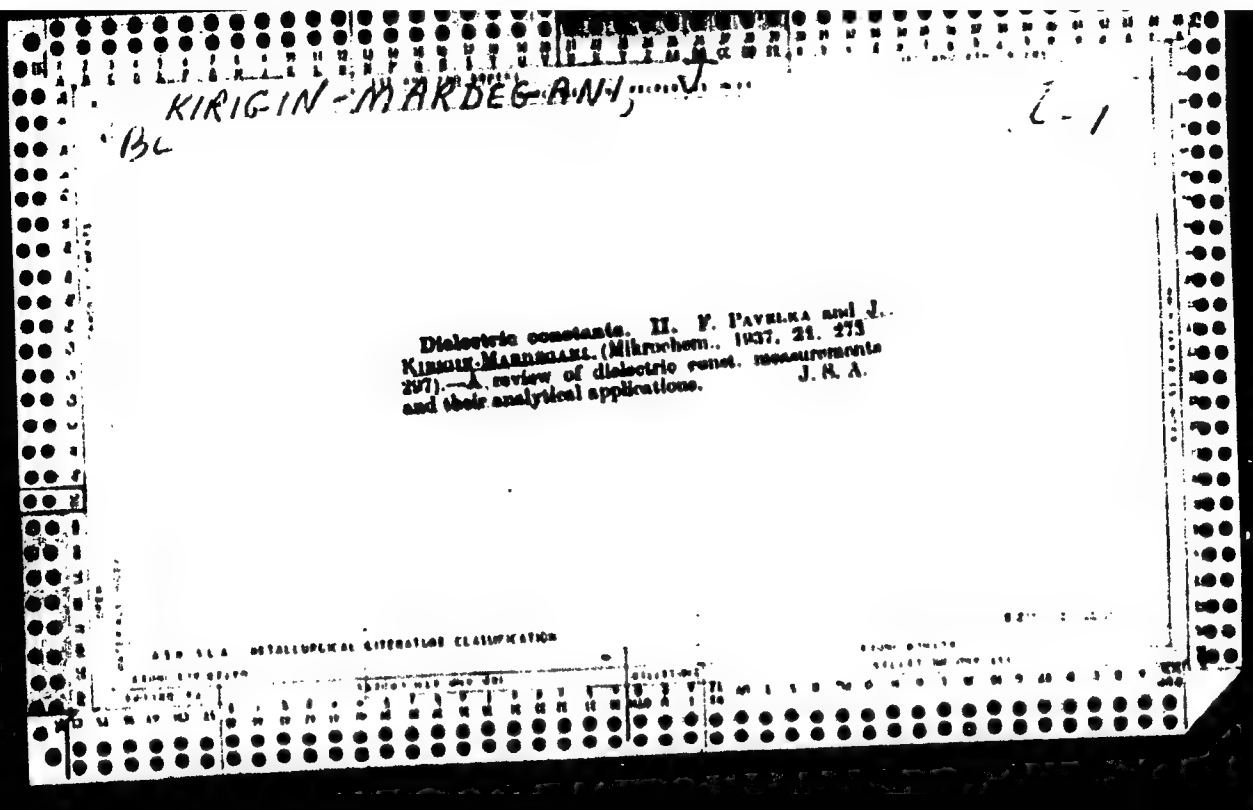
Quality and assortment of automobile oils in the Rijeka  
Petroleum Refinery. Nafta Jug 13 no. 11/12:474-479 N-D  
'62.

1. Petroleum Refinery, Rijeka.

KIRIGIN, Ferdo, inz.

Some remarks on the definiticn of the term "oil" used in the  
International Convention for Preventing Sea Pollution by Oil.  
Nafta Jug 13 no.7:151-153 J1 '62.

1. Rafinerija hafte, Rijeka.



L 05025-67 EWT(m)/EWP(t)/ETI IJP(c) JD/JG/MB

ACC NR: AP6032980

SOURCE CODE: UR/0078/66/011/010/2328/2330

AUTHOR: Kirgintsev, A. N. ; Avvakumov, Ye. G. ; Vulikh, A. I.

ORG: Institute of Inorganic Chemistry, Siberian Branch, AN SSSR (Institut neorganicheskoy khimii, Sibirskoye otdeleniye, AN SSSR)

TITLE: Cesium nitrate purification by zonal recrystallization , 4

SOURCE: Zhurnal neorganicheskoy khimii, v. 11, no. 10, 1966, 2328-2330

TOPIC TAGS: metal crystallization, recrystallization, oriented crystallization, alkali metal, cesium nitrate, zonal recrystallization

ABSTRACT: The method of oriented crystallization is used to determine the distribution of alkali metals in cesium nitrate at different crystallization rates (under constant mixing). The data obtained show that the method of zonal recrystallization may be recommended to free cesium nitrate of alkali metals. Orig. art. has: 1 table and 3 figures. [Authors' abstract]

SUB CODE: 07/

SUBM DATE: 08Jan65/ ORIG REF: 005/

Card 1/1 LC

UDC: 548.36'175:548.53

KIRIGINTSEV, A. N.; DOLZHENKO, Z. Y.

Point of equal concentrations in the exchange adsorption of ions.  
Izv. Sib. otd. AN SSSR no. 3:65-70 '60. (MIRA 13:10)

1. Dal'nevostochnyy filial Sibirskogo otdeleniya AN SSSR.  
(Adsorption) (Ion exchange)



GOLUBEV, V.S.; KIRIGINTSEV, A.N.; PANCHENKOV, G.M.

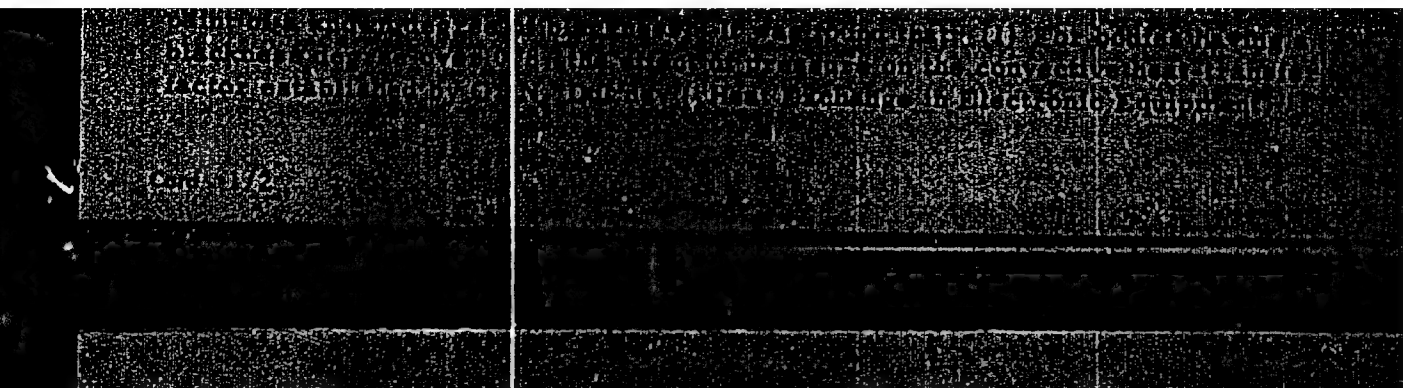
Equation for the output curve of equilibrium sorption in a continuous flow of the substance adsorbed by an adsorbent. Kin. i kat. 4 no.4:635-643 J1-Ag '63. (MIRA 16:11)

1. Institut neorganicheskoy khimii Sibirskogo otdeleniya AN SSSR i Moskovskiy gosudarstvennyy universitet imeni Lomonosova, khimicheskoy fakul'tet.

[illegible]

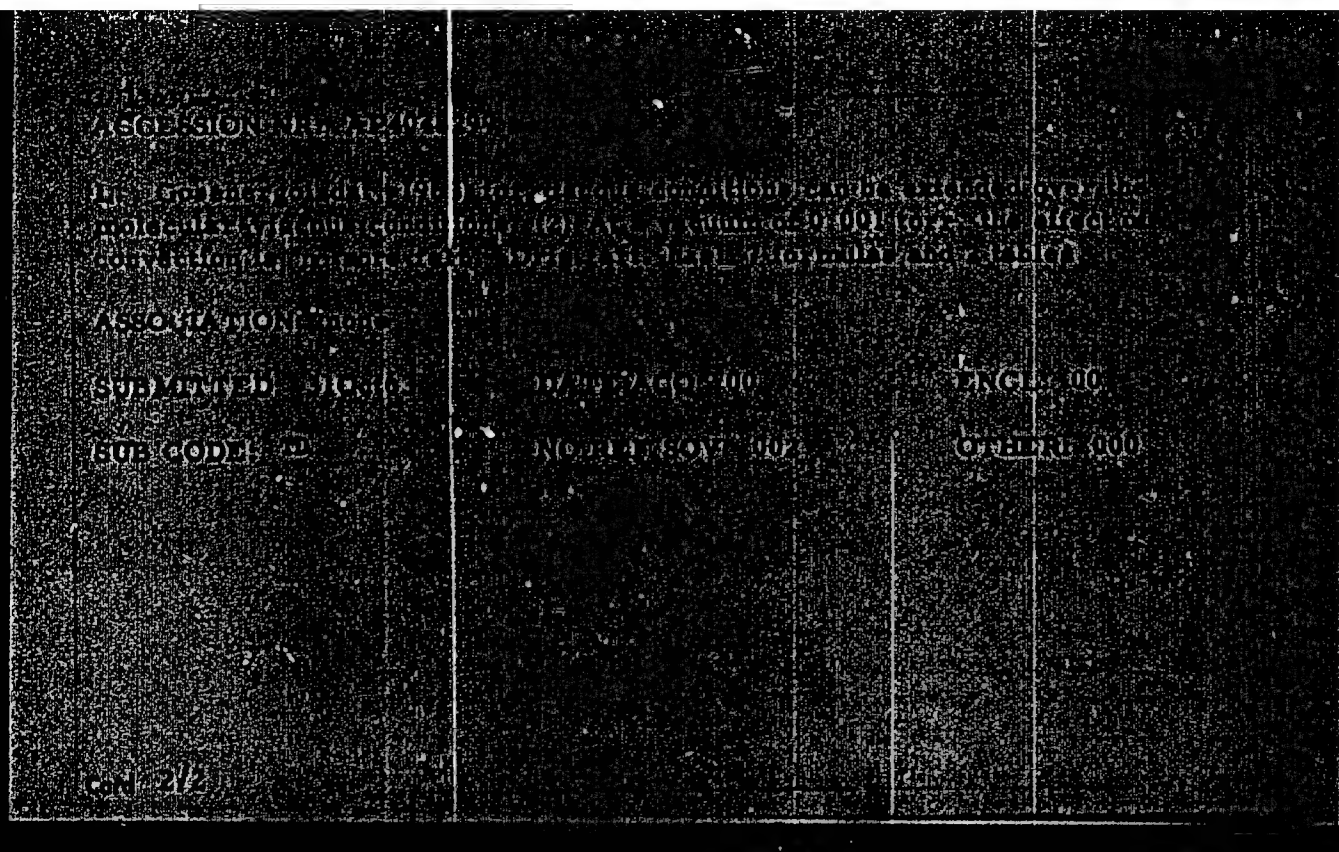
"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722620011-0



APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722620011-0"



BRUDKOV, N.; KIRIK, I.; AL'F, M.; KURBATOV, Yu.

"Our suggestions for improving the economic work of financial organs." Fin. SSSR 22 no.7:72-76 J1 '61. (MIRA 14:7)

1. Nachal'nik sektora otchisleniy ot pribyli Belgorodskogo oblfinotdela (for Brudkov).
  2. Zamestitel' nachal'nika otдела gosdokhodov Kirovogradskogo gorfinotdela (for Kirik).
  3. Zaveduyushchiy Novopromyshlennym rayfinotdelom g. Kalinina (for Al'f).
  4. Nachal'nik inspektsii gosdokhodov Kominternovskogo rayfinotdela Khar'kova (for Kurbatov).
- (Finance) (Auditing)

ERIK, L.L.

Synoptic conditions governing the development and discontinuance  
of wave activity over Central Asia. Trudy Sred.-Az.nauch.-1961.  
gidrometeor. inst. no. 8:83-93 '63. (MIRA 17:5'

KRISS, A.Ye., RYABTSEVA, Z.S., RUKINA, Ye.A., ~~KIRIK, M.~~ & GRIGOR'YEVA, T.A.

--"Fagin---Complex Preparation for the Treatment of Refractory Infected Wounds."

SO: Byul. Eksper. Biol. i Med. 1944(9). (Quoted in Referaty 1945)

KIRIK, M. F.

PA 45/49T88

USSR/Medicine - Frostbite, Therapy Apr 49  
Medicine - Surgery

"Treatment of Frostbite," N. K. Belaya, M. F.  
Kirik, Candidates Med Sci, 1½ pp

"Khirurgiya" No 4

Advises surgical intervention (early necrotomy,  
necrectomy and early amputation) as basic treat-  
ment for frostbite, and states that all other  
methods (openhealing method, physiotherapy,  
Vishnevskiy blockade method, bone grafting, etc.)  
are of secondary value.

DD

45/49T88



KIRIK, M.F.

~~Pathogenesis and treatment of spontaneous gangrene. Fel'dsher & akush., Moskva No.1:13-18 Jan 52.~~

Pathogenesis and treatment of spontaneous gangrene. Fel'dsher & akush.,  
Moskva No.1:13-18 Jan 52. (CML 21:4)

1. Candidate Medical Sciences.

PERESYPKIN, V., doktor biolog. nauk (Kiyev); KIRIK, N., aspirant (Kiyev);  
SHALAYEV, M. (Kiyev); KHMEL', N., aspirantka

Protection of peas against ascochyta blight. Zashch. rast. ot vred.  
i bol. 10 no.3:20-21 '65. (MIRA 19:1)

1. Ukrainskaya sel'skokhozyaystvennaya akademiya (for Kirik).
2. Khar'kovskiy sel'skokhozyaystvennyy institut (for Khmel').

KIRIK, O.G.

Dynamics of the morphological composition of the blood  
and the proliferative function of the mesenchyma in acu-  
puncture. Sbor. trud. GMI no.9:154-158 '62.

(MIRA 17:2)

1. Terapevticheskoye otdeleniye oblastnoy bol'nitsy imeni  
N.A. Semashko (nauchnyy rukovoditel' prof. V.G. Vogradlik),  
Gor'kiy.

37585

S/044/62/000/004/021/099  
C111/C444

16 3110

AUTHOR: Kirik, P. Ya.

TITLE: The asymptotic solutions of a system of linear differential equations

PERIODICAL: Referativnyy zhurnal, Matematika, no. 4, 1962, 33, abstract 4B147. (Sb. nauchn. tr. krivorozhsk. gornorudn. in-t, 1961, no. 10, 400 - 406)

TEXT: Considered is the system

$$\frac{dx_j}{dt} = \sum_{i=1}^n P_{ji} x_i \quad (j = 1, 2, \dots, n) \quad (P)$$

where  $P_{ji} = a_{ji} + \omega_{ji}(t)$ ,  $a_{ji} = \text{const.}$ , where the matrix  $[a_{ji}]$  has the Jordan normal form, consisting of the Jordan boxes

$$I_{d_s}(a_s) \quad (s = 1, 2, \dots, k),$$

where  $d_s$  is the dimension and  $a_s$  the eigenvalue of the box. Let  $j(s)$  be the row index of the  $s$ -th box.

Card 1/4

S/044/62/000/004/021/099  
C111/C444

The asymptotic solutions of a system...

Let 
$$x_j(s) = \frac{t^{d_s - j(s)} a_s}{[d_s - j(s)]!} \quad (x_0)$$

$(j = 1, 2, \dots, d_s; \quad s = 1, 2, \dots, k)$

or

$$x_1 = \frac{t^{d_1-1} e^{a_1 t}}{(d_1-1)!}; \quad x_2 = \frac{t^{d_1-2} e^{a_1 t}}{(d_1-2)!}; \quad \dots, \quad x_{d_1} = e^{a_1 t};$$

$$x_{d_1+1} = \frac{t^{d_1-1} e^{a_2 t}}{(d_1-1)!}; \quad x_{d_1+2} = \frac{t^{d_1-2} e^{a_2 t}}{(d_1-2)!}; \quad \dots$$

$$\dots, x_{d_1+d_2} = e^{a_2 t}$$

be a particular solution of the system

$$\frac{dx_j}{dt} = \sum_{i=1}^n a_{ji} x_i, \quad (A)$$

Let us assume that the integrals  
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$$\int_{t_0}^{\infty} \tau^{d-i(s)} \omega_{j(s), i(s)}(\tau) d\tau = b_{j(s), i(s)} \quad (j, i = 1, 2, \dots, d_s;$$

$$s = 1, 2, \dots, k)$$

converge absolutely. It is proved that the solution  $(X_0)$  of the system  
(A) corresponds to a solution

$$x_{j(s)} = t^{d_s-j(s)} e^{a_s t} Z_{j(s)}(t), \quad (X) \quad j$$

$$(j = 1, 2, \dots, d_s; s = 1, 2, \dots, k),$$

of the system (P), where  $Z_{j(s)}$  are functions, continuous on  $[t_0, \infty]$   
such that

$$\lim_{t \rightarrow \infty} Z_{j(s)}(t) = \frac{1}{[d_s - j(s)]!}.$$

The functions  $Z_{j(s)}$  are determined by the integral equation system

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$$t^{d_s-l(s)} Z_{l(s)}(t) = \int_{t_0}^t \left[ \sum_{i=1}^k \sum_{j=1}^{d_s} \omega_{l(s), i(s)}(\tau) \tau^{d_s-l(s)} Z_{i(s)}(\tau) + \right. \\ \left. + \tau^{d_s-l-1} Z_{l+1}(s)(\tau) \right] d\tau,$$

( $l = 1, 2, \dots, d_s - 1; s = 1, 2, \dots, k$ ).

$$Z_{d_s}(t) = 1 - \int_t^\infty \left[ \sum_{i=1}^k \sum_{j=1}^{d_s} \omega_{d_s, i(s)} \tau^{d_s-l} Z_{i(s)} \right] d\tau.$$

[Abstracter's note: Complete translation.]

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KIRIK, P.Ya., assistant

Problem in the dynamics of setting the mine cage on the  
lifters. Sbor. nauch. trud. KGBI no.13:89-95 '62.  
(MIRA 16:8)  
(Mine hoisting)



KIRIK, S.

At the meat-packing plants of the Ukraine. Mias.ind. SSSR 25 no.6:  
5-6 '54. (MLRA 8:1)

1. Nachal'nik Ukrglavmyasa.  
(Ukraine--Meat industry)

KIRIK, S.

In the Ukrainian meat combines. Mias.ind.SSR 27 no.2:18-21 '56.  
(MLRA 9:8)

1. Nachal'nik Ukrglavnyasa.  
(Ukraine--Packing houses)

KIRIK, S.

Meat combines of the Ukraine on the eve of the slaughtering  
season. Mias. ind. SSSR 27 no.4:6-10 '56. (MLRA 9:10)

1. Nachal'nik Ukrglavmyasa.  
(Ukraine--Meat industry)

KIRIK, S.

~~KIRIK, S.~~

Regularise the slaughtering of young cattle. Mas. ind. SSER 28  
no.3:31 '57. (MIRA 10:6)

(Ukraine--Slaughtering and slaughterhouses)